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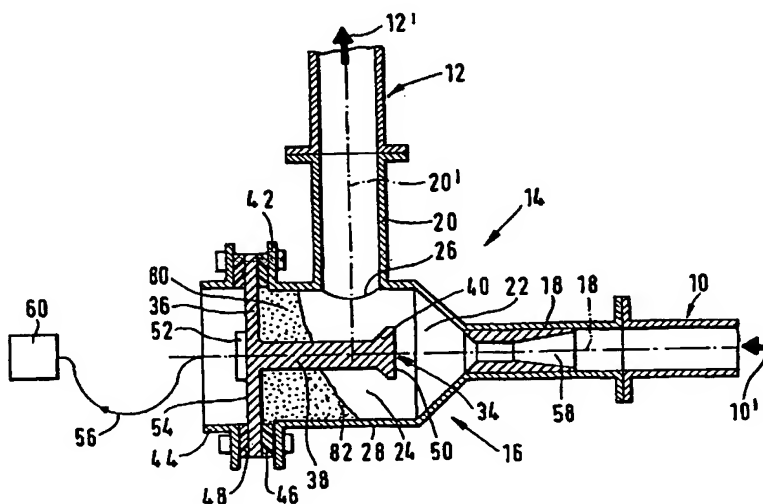
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(54) Title: **METHOD AND DEVICE FOR MONITORING A MASS FLOW IN A PNEUMATIC PIPELINE**



(57) Abstract: A device for monitoring the mass flow of a particulate solids flow in a pneumatic pipeline (10, 12) comprises a measuring chamber (16) and an impact body (34, 34'). Through an inlet connection (18) the particulate solids flow is blown as a compact solid/gas jet onto the impact body (34, 34'), so as to impact thereon with substantially its whole cross-section. An acoustic transducer (52) is associated with the impact body (34, 34') for sensing structure-born acoustic waves, which are generated by said compact solid/gas jet impacting onto said impact body (34, 34'), and transforming them into an output signal. Signal processing means (60) process the output signal so as to derive therefrom a value that is representative of the mass flow rate of the particulate solids flow.

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